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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/804,560
				Filing Date	March 18, 2004
				First Named Inventor	HAREL Tamar et al
				Art Unit	3762
				Examiner Name	KAEHLIN, MICHAEL WILLIAM
Sheet	1	of	11	Attorney Docket Number	34487
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date DD-MMM-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1	3,572,345	23-Mar-1971	Auphan	
	2	3,587,567	20-Dec-1968	Schiff	
	3	3,651,805	28-Mar-1972	Brelling	
	4	3,942,536	09-Mar-1976	Mirowski et al.	
	5	3,952,750	27-Apr-1976	Mirowski et al.	
	6	4,030,509	21-Jun-1977	Heilman et al.	
	7	4,106,494	15-Aug-1978	McEachern	
	8	4,164,216	14-Aug-1979	Person	
	9	4,184,493	22-Jan-1980	Langer et al.	
	10	4,202,340	13-May-1980	Langer et al.	
	11	4,223,678	23-Sep-1980	Langer et al.	
	12	4,237,895	09-Dec-1980	Johnson	
	13	4,273,114	16-Jun-1981	Berkalow et al.	
	14	4,312,354	26-Jan-1982	Walters	
	15	4,316,472	23-Feb-1982	Mirowski et al.	
	16	4,384,585	24-May-1983	Zipes	
	17	4,387,717	14-Jun-1983	Brownlee et al.	
	18	4,403,614	13-Sep-1983	Engle et al.	
	19	4,407,288	04-Oct-1983	Langer et al.	
	20	4,440,172	03-Apr-1984	Langer	
	21	4,506,680	26-Mar-1985	Stokes	
	22	4,543,956	01-Oct-1985	Herscovici	
	23	4,554,922	26-Nov-1985	Prystowsky et al.	
	24	4,566,456	28-Jan-1986	Koning et al.	
	25	4,572,191	25-Feb-1986	Mirowski et al.	
	26	4,628,934	16-Dec-1986	Pohndorf et al.	
	27	4,651,716	24-Mar-1987	Forester et al.	
	28	4,674,508	23-Jun-1987	DeCote	
	29	4,679,572	14-Jul-1987	Baker	
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		Number-Kind Code ² (if known)			
	30	4,690,155	01-Sep-1987	Hess	
	31	4,726,279	23-Feb-1988	Kepler et al.	
	32	4,726,379	23-Feb-1988	Altman et al.	
	33	4,765,341	23-Aug-1988	Mower et al.	
	34	4,830,006	16-May-1989	Haluska et al.	
	35	4,928,688	29-May-1990	Mower	
	36	4,979,507	25-Dec-1990	Heinz et al.	
	37	4,998,531	12-Mar-1991	Bocchi et al.	
	38	5,003,976	02-Apr-1991	Alt	
	39	5,020,544	04-Jun-1991	Dahl et al.	
	40	5,022,396	11-Jun-1991	Watanabe	
	41	5,044,375	03-Sep-1991	Bach et al.	
	42	5,083,564	28-Jan-1992	Scherlag	
	43	5,087,243	11-Feb-1992	Avitall	
	44	5,097,843	24-Mar-1992	Soukup et al.	
	45	5,111,815	12-May-1992	Mower	
	46	5,129,394	14-Jul-1992	Mehra	
	47	5,137,021	11-Aug-1992	Wayne et al.	
	48	5,156,147	20-Oct-1992	Warren et al.	
	49	5,156,149	20-Oct-1992	Hudrlik	
	50	5,161,527	10-Nov-1992	Nappholz et al.	
	51	5,163,428	17-Nov-1992	Pless	
	52	5,199,428	06-Apr-1993	Obel et al.	
	53	5,205,284	27-Apr-1993	Freeman	
	54	5,213,098	25-May-1993	Bennett et al.	
	55	5,236,413	17-Aug-1993	Feiring	
	56	5,282,785	01-Feb-1994	Shapland et al.	
	57	5,284,491	08-Feb-1994	Sutton et al.	
	58	5,286,254	15-Feb-1994	Shapland et al.	
	59	5,305,745	26-Apr-1994	Zacouto	
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	60	5,320,543	14-Jun-1994	Roline et al.	
	61	5,320,642	14-Jun-1994	Scheriag	
	62	5,327,887	12-Jul-1994	Nowakowski	
	63	5,346,506	13-Sep-1994	Mower et al.	
	64	5,353,800	11-Oct-1994	Pohndorf et al.	
	65	5,366,486	22-Nov-1994	Zipes et al.	
	66	5,368,040	29-Nov-1994	Carney	
	67	5,370,665	06-Dec-1994	Hudrlik	
	68	5,386,837	07-Feb-1995	Sterzer	
	69	5,387,419	07-Feb-1995	Levy et al.	
	70	5,391,192	21-Feb-1995	Lu et al.	
	71	5,391,199	21-Feb-1995	Ben-Haim	
	72	5,398,683	21-Mar-1995	Edwards et al.	
	73	5,411,531	02-May-1995	Hill et al.	
	74	5,415,629	16-May-1995	Henley	
	75	5,417,717	23-May-1995	Salo et al.	
	76	5,419,763	30-May-1995	Hildebrand	
	77	5,425,363	20-Jun-1995	Wang	
	78	5,443,485	22-Aug-1995	Housworth et al.	
	79	5,447,520	05-Sep-1995	Spano et al.	
	80	5,458,568	17-Oct-1995	Racchini et al.	
	81	5,464,020	07-Nov-1995	Lerner	
	82	5,468,254	21-Nov-1995	Hahn et al.	
	83	5,472,453	05-Dec-1995	Alt	
	84	5,476,484	19-Dec-1995	Hedberg	
	85	5,476,485	19-Dec-1995	Weinberg et al.	
	86	5,476,497	19-Dec-1995	Mower et al.	
	87	5,482,052	09-Jan-1996	Lerner	
	88	5,499,971	19-Mar-1996	Shapland et al.	
	89	5,501,662	26-Mar-1996	Hofmann	
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	90	5,514,162	07-May-1996	Bornzin et al.	
	91	5,520,642	28-May-1996	Bigagli et al.	
	92	5,531,764	02-Jul-1996	Adams et al.	
	93	5,540,722	30-Jun-1996	Clare et al.	
	94	5,556,421	17-Sep-1996	Prutchi et al.	
	95	5,568,809	29-Oct-1996	Ben-Haim	
	96	5,571,143	05-Nov-1996	Hoegnelid et al.	
	97	5,578,061	26-Nov-1996	Stroetmann et al.	
	98	5,584,804	17-Dec-1996	Klatz et al.	
	99	5,584,868	17-Dec-1996	Salo et al.	
	100	5,587,200	24-Dec-1996	Lorenz et al.	
	101	5,601,609	11-Feb-1997	Duncan	
	102	5,601,611	11-Feb-1997	Fayram et al.	
	103	5,622,687	22-Apr-1997	Krishnan et al.	
	104	5,626,622	06-May-1997	Cooper	
	105	5,634,899	03-Jun-1997	Shapland et al.	
	106	5,649,966	22-Jul-1997	Noren et al.	
	107	5,651,378	29-Jul-1997	Matheny et al.	
	108	5,674,251	07-Oct-1997	Combs et al.	
	109	5,674,259	07-Oct-1997	Gray	
	110	5,683,431	04-Nov-1997	Wang	
	111	5,687,734	18-Nov-1997	Dempsey et al.	
	112	5,713,935	03-Feb-1998	Prutchi et al.	
	113	5,720,768	24-Feb-1998	Verboven-Nelissen	
	114	5,735,876	07-Apr-1998	Kroll et al.	
	115	5,738,096	14-Apr-1998	Ben-Haim	
	116	5,738,105	14-Apr-1998	Kroll	
	117	5,755,740	26-May-1998	Nappholtz	
	118	5,782,876	21-Jul-1998	Flammang	
	119	5,782,881	21-Jul-1998	Lu et al.	
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	121	5,792,208	11-Aug-1998	Gray	
	122	5,797,967	25-Aug-1998	Kenknight	
	123	5,807,234	15-Sep-1998	Bui et al.	
	124	5,807,306	15-Sep-1998	Shapland et al.	
	125	5,865,787	02-Feb-1999	Shapland et al.	
	126	5,871,506	16-Feb-1999	Mower	
	127	5,906,607	25-May-1999	Taylor et al.	
	128	5,913,876	22-Jun-1999	Taylor et al.	
	129	5,927,284	27-Jun-1999	Borst et al.	
	130	6,006,134	21-Dec-1999	Hill et al.	
	131	6,032,074	29-Feb-2000	Collins	
	132	6,032,672	07-Mar-2000	Taylor	
	133	6,041,252	21-Mar-2000	Walker et al.	
	134	6,067,470	23-May-2000	Mower	
	135	6,071,305	06-Jun-2000	Brown et al.	
	136	6,086,582	11-Jul-2000	Altman et al.	
	137	6,136,019	24-Oct-2000	Mower	
	138	6,141,586	31-Oct-2000	Mower	
	139	6,151,586	21-Nov-2000	Brown	
	140	6,178,351	23-Jan-2001	Mower	
	141	6,295,470	25-Sep-2001	Mower	
	142	6,317,631	13-Nov-2001	Ben-Haim et al.	
	143	6,337,995	08-Jan-2002	Mower	
	144	6,341,235	22-Jan-2002	Mower	
	145	6,343,232	29-Jan-2002	Mower	
	146	6,411,847	25-Jun-2002	Mower	
	147	RE 38,119	20-May-2003	Mower	
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	163	Antman et al. "Treatment of 150 Cases of Life-Threatening Digitalis Intoxication With Digoxin-Specific Fab Antibody Fragments", Circulation, 81(6): 1744-1752, 1990.			
	164	Antoni et al. "Polarization Effects of Sinusoidal 50-Cycle Alternating Current on Membrane Potential of Mammalian Cardiac Fibres", Pflügers Archiv European Journal of Physiology, 314(4): 274-291, 1970. Abstract.			
	165	Bakker et al. "Beneficial Effects of Biventricular Pacing of Congestive Heart Failure", Pace, 17(Part II): 318, 1994.			
	166	Bargheer et al. "Prolongation of Monophasic Action Potential Duration and the Refractory Period in the Human Heart by Tedisamil, A New Potassium-Blocking Agent", Journal European Heart, 15(10): 1409-1414, 1994, Abstract.			
	167	Bers "Excitation Contraction Coupling and Cardiac Contractile Force", Internal Medicine, 237(2): 17, 1991, Abstract.			
	168	Borst et al. "Coronary Artery Bypass Grafting Without Cardiopulmonary Bypass and Without Interruption of Native Coronary Flow Using A Novel Anastomosis Site Restraining Device (Octopus)", Journal of the American College of Cardiology, 27(6): 1356-1364, 1996.			
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	170	Cazeau et al. "Multisite Pacing for End-Stage Heart Failure: Early Experience", Pacing and Clinical Electrophysiology, 19(11): 1748-1757, 1996, Abstract.			
	171	Cheng et al. "Calcium Sparks: Elementary Events Underlying Excitation-Contraction Coupling in Heart Muscle", Science, 262(5134): 740-744, 1993, Abstract.			
	172	Cooper "Postextrasystolic Potentiation. Do We Really Know What It Means and How to Use It?", Circulation, 88: 2962-2971, 1993.			
	173	Coulton et al. "Magnetic Fields and Intracellular Calcium; Effects on Lymphocytes Exposed to Conditions for 'Cyclotron Resonance' ", Phys. Med. Biol., 38: 347-360, 1993, Abstract.			
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				Application Number	10/804,560
				Filing Date	March 18, 2004
				First Named Inventor	HAREL Tamar et al
				Art Unit	3762
				Examiner Name	KAHLIN, MICHAEL WILLIAM
Sheet	8	Of	11	Attorney Docket Number	34487
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	174	Dillion "Optial Recordings in the Rabbit Heart Show That Defibrillation Strength Shocks Prolong the Duration of Depolarization and the Refractory Period", Circulation Research, 69: 842-856, 1991.			
	175	Dillon "Synchronized Repolarization After Defibrillation Shocks. A Possible Component of the Defibrillation Process Demonstration by Optical Recordings in Rabbit Heart", Circulation, 85(5): 1865-1878, 1992.			
	176	Fain et al. "Improved Internal Defibrillation Efficacy With A Biphasic Waveform", American Heart Journal, 117(2): 358-364, 1989, Abstract.			
	177	Fleg et al. "Impact of Age on the Cardiovascular Response to Dynamic Upright Exercise in Healthy Men and Women", Journal of Applied Physiology, 78: 890-900, 1995, Abstract.			
	178	Fleischhauer et al. "Electrical Resistances of Interstitial and Microvascular Space as Determinants of the Extracellular Electrical Field and Velocity of Propagation in Ventricular Myocardium", Circulation, 92: 587-594, 1995.			
	179	Foster et al. "Acute Hemodynamic Effects of Atrio - Biventricular Pacing in Humans", The Society of Thoracic Surgeons, 59: 294-300, 1995, Abstract.			
	180	Franz "Bridging the Gap Between Basic Clinical Electrophysiology: What Can Be Learned From Monophasic Action Potential Recordings?", Journal Cardiovascular Electrophysiology, 5(8): 699-710, 1994, Abstract.			
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	182	Fromer et al. "Ultrarapid Subthreshold Stimulation for Termination of Atrioventricular Node Reentrant Tachycardia", Journal of the American College Cardiology, 20: 879-883, 1992.			
	183	Fu et al. "System Identification of Electrically Coupled Smooth Muscle Cells: The Passive Electrically Coupled Smooth Muscle Cells: The Passive Electrical Properties", IEEE Transactions on Biomedical Engineering, 38(11): 1130-1140, 1991.			
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	184	Gill et al. "Refractory Period Extension During Ventricular Pacing at Fibrillatory Pacing Rates", Pacing and Clinical Electrophysiology, 20(3): 647-653, 1997, Abstract.			
	185	Ham et al. "Classification of Cardiac Arrhythmias Using Fuzzy Artmap", IEEE Transactions on Biomedical Engineering, 43(4): 425-429, 1996, Abstract.			
	186	Hoffman et al. "Effects of Postextrasystolic Potentiation on Normal and Failing Hearts", Bulletin of the New York Academy of Medicine, 41(5): 498-534, 1965.			
	187	Josephson "Clinical Cardiac Electrophysiology: Techniques and Interpretations", Lea & Febiger, 2nd Ed., 2 P., 1991.			
	188	King et al. "The Inotropic Action of Paired Pulse Stimulation in the Normal and Failing Heart: An Experimental Study", Cardiovascular Research, 2: 122-129, 1968.			
	189	Knisley et al. "Prolongation and Shortening of Action Potentials by Electrical Shocks in Frog Ventricular Muscle", American Journal of Physiology, 266(6): H2348-H2358, 1994, Abstract.			
	190	Koller et al. "Relation Between Repolarization and Refractoriness During Programmed Electrical Stimulation in the Human Right Ventricle", Circulation, 91(9): 2378-2384, 1995, Abstract.			
	191	Langberg et al. "Identification of Ventricular Tachycardia with Use of the Morphology of the Endocardial Electrogram", Circulation, 77(6): 1363-1369, 1988.			
	192	Lindstrom et al. "Intracellular Calcium Oscillations in A T-Cell Line After Exposure to Extremely-Low-Frequency Magnetic Fields with Variable Frequencies and Flux Densities", Bioelectromagnetics, 16(1): 41-47, 1995, Abstract.			
	193	Lubart et al. "Effect of Light on Calcium Transport in Bull Sperm Cells", J. Photochemical Photobiology, 14: 337-341, 1992.			
	194	Matheny et al. "Vagus Nerve Stimulation as A Method to Temporarily Slow or Arrest the Heart", Annals of Thoracic Surgery, 63(6): S28-29, 1997, Abstract.			
	195	McVeigh et al. "Noninvasive Measurement of Transmural Gradients in Myocardial Strain With MR Imaging", Radiology, 180(3): 677, 679-684, 1991.			
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	196	Mercando et al. "Automated Detection of Tachycardias by Antitachycardia Devices", Cardiac Electrophysiology: From Cell to Bedside, Chap.100: 943-948, 2004.			
	197	Moran et al. "Digoxin-Specific Fab Fragments Impair Renal Function in the Rat", Journal of Pharmacy and Pharmacology, 46(10): 854-856, 1994, Abstract.			
	198	Morse et al. "A Guide to Cardiac Pacemakers, Defibrillators and Related Products",			
	199	Nannini et al. "Muscle Recruitment With Intrafascicular Electrodes", IEEE Transactions on Biomedical Engineering, 38: 769-776, 1991, Abstract.			
	200	Paul et al. "Automatic Recognition of Ventricular Arrhythmias Using Temporal Electrogram Analysis", PACE, 14: 1265-1273, 1991.			
	201	Pumir et al. "Control of Rotating Waves in Cardiac Muscle: Analysis of the Effect of Electric Fields", Proceedings: Biological Sciences, 257(1349): 129-134, 1994, Abstract.			
	202	Ranjan et al. "Electrical Stimulation of Cardiac Myocytes", Annals of Biomedical Engineering, 23(6): 812-821, 1995, Abstract.			
	203	Saksena et al. "Prevention of Recurrent Atrial Fibrillation With Chronic Dual-Site Right Atrial Pacing", Journal of the American College of Cardiology, 28(3): 687-694, 1996, Abstract.			
	204	Schwartz et al. "Exposure of Frog Hearts to CW or Amplitude-Modified VHF Fields: Selective Efflux of Calcium Ions at 16 Hz", Bioelectromagnetics, 11(4): 349-358, 1990, Abstract.			
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	206	Skale et al. "Inhibition of Premature Ventricular Extrastimuli by Subthreshold Conditioning Stimuli", J. Am. Coll. Cardiol., 6: 133-140, 1985, Abstract.			
	207	Sweeny et al. "Countershock Strength-Duration Relationship for Myocardial Refractory Period Extension", Academic Emergency Medicine, 2(1): 57-62, 1995, Abstract.			
	208	Sweeny et al. "Refractory Interval After Transcardiac Shocks During Ventricular Fibrillation", Circulation, 94(11): 2947-2952, 1996.			
	209	Sweeny et al. "Ventricular Refractory Period Extension Caused by Defibrillation Shocks", Circulation, 82(3): 965-972, 1990.			
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	210	Talit et al. "The Effect of External Cardiac Pacing on Stroke Volume", pace, 13(5): 598-602, 1990, Abstract.			
	211	Taniguchi et al. "Inhomogeneity of Cellular Activation Time and Vmax in Normal Myocardial Tissue Under Electrical Field Stimulation", Am. J. Physiol., 267: H694-H705, 1994, Abstract.			
	212	Thakor et al. "Effect of Varying Pacing Waveform Shapes on Propagation and Hemodynamics in the Rabbit Heart", The American Journal of Cardiology, 79(6A): 36-43, 1997, Abstract.			
	213	Tsong "Electroporation of Cell Membranes", Biophysical Journal, 60: 297-306, 1991.			
	214	Verrier et al. "Electrophysiologic Basis for T Wave Alternans as An Index of Vulnerability to Ventricular Fibrillation", Journal of Cardiovascular Electrophysiology, 5(5): 445-461, 1994. Abstract.			
	215	Webster "Design of Cardiac Pacemakers, IEEE Press, P. xi-xiii, 1995.			
	216	Wessale et al. "Stroke Volume and the Three Phase Cardiac Output Rate Relationship With Ventricular Pacing", PACE, 13: 673-680, 1990.			
	217	Windle et al. "Subthreshold Conditioning Stimuli Prolong Human Ventricular Refractoriness", Am. J. Cardiol., 57(6): 381-386, 1986, Abstract.			
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	219	Xue et al. "Neural-Network-Based Adaptive Matched Filtering for QRS Detection", IEEE Transactions on Biomedical Engineering, 39(4): 317-329, 1992, Abstract.			
	220	Yokoyama "The Phase of Supernormal Excitation in Relation to the Strength of Subthreshold Stimuli", Japanese Heart Journal, 17: 315-325, 1976.			
	221	Zipes et al. "Cardiac Electrophysiology - From Cell to Bedside", Saunders Co., 4th Ed., 1990.			

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